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COMMUNICABLE DISEASE CENTER

Morbidity and Mortality

Vol. 15, No. 37

WEEKLY REPORT

Week Ending September 17, 1966

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE

UNIVERSITY OF FLORIDA LIBRARIES OCT 1966

SURVEILLANCE SUMMARY
SALMONELLOSIS – June and July 1966

During June and July 1966 there were 2,126 and 1,630 isolations, respectively, of salmonellae from human sources. The cumulative number of such isolations reported during the first 7 months of 1966 is 10,508, 6.0 percent fewer than the number of isolations recorded during the same period in 1965 (11,180). The seasonal pattern continues to be similar to that observed in 1965 (Figure 1, page 318). The age-sex distribution remained consistent with past experience.

The seven most frequently reported human serotypes for June and July are listed in Table 1, page 318. These seven accounted for 64.9 and 64.6 percent, respectively, of all isolations. The numbers of isolations of two serotypes abruptly increased in July. *Salmonella blockley*, which usually accounts for about 2 percent of all human isolations of salmonellae, represented 6.3 percent in June due to an outbreak of the serotype in a Massachusetts hospital. *S. java*, which also accounted for 6.3 percent

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CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	37th WEEK ENDED		MEDIAN 1961–1965	CUMULATIVE, FIRST 37 WEEKS		
	SEPTEMBER 17, 1966	SEPTEMBER 18, 1965		1966	1965	MEDIAN 1961–1965
Aseptic meningitis	181	102	102	1,922	1,372	1,354
Brucellosis	5	6	6	162	179	297
Diphtheria	3	2	9	130	110	181
Encephalitis, primary:						
Arthropod-borne & unspecified	96	49	- - -	1,444	1,225	- - -
Encephalitis, post-infectious	9	8	- - -	591	542	- - -
Hepatitis, serum	26	617	738	971	24,135	31,134
Hepatitis, infectious	535			22,691		
Measles (rubeola)	397	623	734	189,484	240,213	387,062
Poliomyelitis, Total (including unspecified)	–	–	17	69	44	266
Paralytic	–	–	16	65	37	229
Nonparalytic	–	–	- - -	–	6	- - -
Meningococcal infections, Total	19	26	26	2,716	2,317	1,772
Civilian	17	25	- - -	2,442	2,135	- - -
Military	2	1	- - -	274	182	- - -
Rubella (German measles)	185	- - -	- - -	41,685	- - -	- - -
Streptococcal sore throat & Scarlet fever	4,237	4,246	3,593	310,176	288,825	251,336
Tetanus	8	5	- - -	128	192	- - -
Tularemia	6	9	- - -	119	187	- - -
Typhoid fever	14	16	17	266	297	364
Typhus, tick-borne (Rky. Mt. Spotted fever)	9	8	- - -	205	225	- - -
Rabies in Animals	82	81	72	3,050	3,242	2,834

NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum		Cum.
Anthrax:	4	Botulism:	4
Leptospirosis:	48	Trichinosis:	73
Malaria: Pa.-21, Miss.-1, Ark.-1, Ariz.-1, Calif.-1	267	Rabies in Man:	1
Psittacosis: Tex.-1	34	Rubella, Congenital Syndrome:	20
Typhus, murine: P.R.-1	19	Plague:	4

SALMONELLOSIS – *(Continued from front page)*

Figure 1
REPORTED HUMAN ISOLATIONS OF SALMONELLA
IN THE UNITED STATES

AVERAGE NUMBER OF ISOLATIONS PER WEEK
600
500
400
300
200
100
0
J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D
1963
964
1965
1966

of the human isolations in contrast to its customary one percent representation, increased as a result of an interstate outbreak of salmonellosis in New Jersey, New York and Pennsylvania caused by contaminated smoked fish (MMWR, Vol. 15, Nos. 22 and 23).

The seven most commonly reported serotypes from nonhuman sources for June and July are listed in Table 2.

Toble 1
The Seven Most Frequently Reported Serotypes
from Humon Sources – June ond July, 1966

Serotype	June			July		
	Rank	Number	Percent	Rank	Number	Percent
S. typhi-murium & *S. typhi-murium* *var. copenhagen*	1	575	27.0	1	464	28.5
S. heidelberg	2	173	8.1	2	163	10.0
S. blockley	3	135	6.3			
S. java	4	135	6.3			
S. infantis	5	131	6.2	5	90	5.5
S. enteritidis	6	114	5.4	3	111	6.8
S. newport	7	98	4.6	4	96	5.9
S. saint-paul				6	70	4.3
S. thompson				7	59	3.6
Total		1,361	64.0		1,053	64.6
Total all serotypes		2,126			1,630	

The most prominent nonhuman sources for both months were turkeys, chickens, powdered milk, and livestock feed. *(Reported by the Salmonella Unit, Epidemiology Branch, CDC.)*

Toble 2
The Seven Most Commonly Reported Serotypes
from Nonhumon Sources – June ond July, 1966

Serotype	June			July		
	Rank	Number	Percent	Rank	Number	Percent
S. typhi-murium & *S. typhi-murium* *var. copenhagen*	1	98	15.7	1	77	15.1
S. heidelberg	2	61	9.8	2	40	7.8
S. new-brunswick	3	42	6.7			
S. schwarzengrund	4	30	4.8	4	32	6.3
S. saint-paul	5	29	4.7	7	22	4.3
S. anatum	6	26	4.2	3	33	6.4
S. montevideo	7	26	4.2	6	24	4.7
S. tennessee				5	26	5.1
Total		312	50.1		254	49.7
Total all serotypes		623			511	
Most Common Sources of Nonhuman Isolations						
Turkey	1	186	29.9	1	126	24.7
Chicken	2	150	24.1	2	89	17.4
Powdered Milk	3	65	10.4	4	33	6.4
Livestock Feed	4	31	5.0	3	43	8.4

RABIES – 1st Quarter, 1966

During the first quarter of 1966, 1,056 laboratory confirmed cases of rabies were reported, a decrease of almost 300 cases from the total reported during the same quarter in 1965. Thirty-three States reported at least one case of animal rabies; 22 States reported 10 or more cases. Twenty-four States reported fewer cases during the first quarter of 1966 than during the comparable period in 1965, while 11 States reported an increase in the number of cases. Texas had the highest incidence with its total of 138 cases. No humnn deaths occurred during the quarter. A total of 273,840 doses of rabies vaccine for human trentments were distributed from January through Mnrch of 1966, compared to 539,655 distributed for the entire year of 1965. This was due to large shipments to the nrmed forces for use in pre-exposure immunization of military personnel.

The incidence of 1,056 rabies cases during the first quarter of 1966 is approximately the same as the average of 1,011 cases for the first quarter of the preceding 6 years. Wildlife accounted for 707 cases of rabies (67 percent), while domestic nnimals were responsible for

349 cases (33 percent). In order of most frequently infected species, skunks and foxes were followed by cattle and dogs (Table 3).

Of the 349 skunk rabies cases reported, four midwestern States (Minnesota, Ohio, Iowa, and Illinois) accounted for 148 (42 percent), while Texas and California were responsible for an additional 91 cases (26 percent). More States reported rabies in skunks than any other wildlife species, a total of 24 States having recorded at least one case.

Cases of fox rabies declined from 475 during the first quarter of 1965 to 311 during the first quarter of 1966. New York State and Missouri recorded 52 and 32 cases of fox rabies, representing increases of four and five times, respectively, over the amount reported during the first quarter of 1965.

Ten species of wild animals were reported as rabid. The remaining eight species include 32 raccoons reported mostly from Georgia and Florida, 8 bats reported from 7 States, 2 bobcats, one squirrel, one rat, one mouse and one badger.

Among domestic animals, the 145 rabid cattle reported were concentrated in the central and eastern portions of the U.S. Of the 123 dog rabies cases reported, 42 percent were from the four States along the U.S.-Mexican Border and 28 percent were from four continguous States in the Mississippi-Ohio Valley (Tennessee, Kentucky, Missouri, Illinois). Fourteen additional States reported the remaining 36 cases of dog rabies. Other domestic animals reported as having rabies were 53 cats, 19 horses and mules, 5 swine, 3 sheep, and one goat.

(Reported by Veterinary Section, Epidemiology Branch, CDC.)

Table 3
Incidence of Rabies in Wild and Domestic Species of Animals
First Quarters of 1965 and 1966

January-March	WILD SPECIES						DOMESTIC SPECIES						TOTAL
	Skunk	Fox	Raccoon	Bat	Other	Total	Cattle	Dog	Cat	Horse & Mule	Other	Total	
1965	365	475	25	16	15	896	199	140	61	28	9	437	1,333
1966	349	311	32	8	7	707	145	123	53	19	9	349	1,056

SUMMARY OF REPORTED CASES OF INFECTIOUS SYPHILIS AUGUST 1966 AND AUGUST 1965

CASES OF PRIMARY AND SECONDARY SYPHILIS: Reporting Areas August 1966 and August 1965 - Provisional Data

Reporting Area	August		Cumulative Jan - Aug		Reporting Area	August		Cumulative Jan - Aug	
	1966	1965	1966	1965		1966	1965	1966	1965
NEW ENGLAND	49	52	321	313	EAST SOUTH CENTRAL	232	244	1,565	1,901
Maine	-	-	5	1	Kentucky	18	10	94	93
New Hampshire	-	1	7	23	Tennessee	34	38	210	381
Vermont	1	-	2	2	Alabama	137	123	876	1,020
Massachusetts	36	33	224	185	Mississippi	43	73	385	407
Rhode Island	2	4	20	14					
Connecticut	10	14	63	88	WEST SOUTH CENTRAL	263	210	1,769	1,599
					Arkansas	12	23	97	163
MIDDLE ATLANTIC	366	460	2,714	3,184	Louisiana	70	75	431	467
Upstate New York	38	63	250	362	Oklahoma	10	9	94	85
New York City	210	248	1,674	1,868	Texas	171	103	1,147	884
Pa. (Excl. Phila.)	27	17	134	108					
Philadelphia	25	33	176	187	MOUNTAIN	49	44	283	378
New Jersey	66	99	480	659	Montana	1	1	23	9
					Idaho	2	4	3	5
EAST NORTH CENTRAL	302	266	2,118	2,003	Wyoming	-	-	-	2
Ohio	64	48	409	417	Colorado	4	1	33	25
Indiana	13	3	67	36	New Mexico	12	11	65	75
Downstate Illinois	16	26	127	154	Arizona	28	21	138	208
Chicago	97	105	685	813	Utah	-	1	5	10
Michigan	107	79	758	527	Nevada	2	5	16	44
Wisconsin	5	5	72	56					
					PACIFIC	142	157	1,189	1,386
WEST NORTH CENTRAL	38	52	284	345	Washington	3	3	26	50
Minnesota	3	3	22	62	Oregon	4	5	36	26
Iowa	9	6	47	20	California	134	146	1,104	1,290
Missouri	8	17	108	155	Alaska	1	-	6	5
North Dakota	-	-	5	1	Hawaii	-	3	17	15
South Dakota	1	6	25	32					
Nebraska	8	16	30	61	U. S. TOTAL	1,956	2,056	14,410	15,626
Kansas	9	4	47	14					
					TERRITORIES	94	89	141	550
SOUTH ATLANTIC	515	571	4,167	4,517	Puerto Rico	92	88	136	538
Delaware	9	10	34	44	Virgin Islands	2	1	5	12
Maryland	52	42	374	294					
District of Columbia	48	43	312	330					
Virginia	36	24	217	231					
West Virginia	7	9	49	48					
North Carolina	62	98	604	698					
South Carolina	78	80	616	568					
Georgia	77	95	681	720					
Florida	146	170	1,280	1,584					

Note: Cumulative Totals include revised and delayed reports through previous months.

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
SEPTEMBER 17, 1966 AND SEPTEMBER 18, 1965 (37th WEEK)

AREA	ASEPTIC MENINGITIS		BRUCELLOSIS	ENCEPHALITIS			DIPHTHERIA		HEPATITIS		
				Primary including unsp. cases		Post-Infectious			Serum	Infectious	Both Types
	1966	1965	1966	1966	1965	1966	1966	1965	1966	1966	1965
UNITED STATES...	181	102	5	96	49	9	3	2	26	535	617
NEW ENGLAND.....	22	1	-	5	1	-	-	1	-	17	52
Maine.....	1	-	-	-	-	-	-	-	-	6	5
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	5
Vermont.....	-	-	-	-	-	-	-	-	-	-	2
Massachusetts.....	8	1	-	2	-	-	-	1	-	6	20
Rhode Island.....	13	-	-	1	-	-	-	-	-	2	7
Connecticut.....	-	-	-	2	1	-	-	-	-	3	13
MIDDLE ATLANTIC.....	42	2	-	13	15	1	-	-	18	71	86
New York City.....	14	-	-	7	5	-	-	-	13	19	32
New York, Up-State.	1	-	-	2	1	-	-	-	3	16	13
New Jersey.....	26	-	-	1	7	-	-	-	1	11	16
Pennsylvania.....	1	2	-	3	2	1	-	-	1	25	25
EAST NORTH CENTRAL...	30	33	-	30	12	4	-	-	-	87	128
Ohio.....	3	3	-	22	6	-	-	-	-	11	34
Indiana.....	2	2	-	-	1	-	-	-	-	10	12
Illinois.....	3	5	-	5	4	1	-	-	-	21	21
Michigan.....	22	20	-	2	-	3	-	-	-	41	59
Wisconsin.....	-	3	-	1	1	-	-	-	-	4	2
WEST NORTH CENTRAL...	9	14	3	8	8	1	-	-	-	24	30
Minnesota.....	5	10	-	-	-	1	-	-	-	12	2
Iowa.....	-	3	3	-	2	-	-	-	-	5	6
Missouri.....	2	1	-	6	-	-	-	-	-	4	5
North Dakota.....	2	-	-	-	1	-	-	-	-	-	4
South Dakota.....	-	-	-	-	-	-	-	-	-	-	-
Nebraska.....	-	-	-	-	1	-	-	-	-	1	3
Kansas.....	-	-	-	2	4	-	-	-	-	2	10
SOUTH ATLANTIC.....	6	6	1	2	3	-	-	-	-	51	74
Delaware.....	-	1	-	-	-	-	-	-	-	-	1
Maryland.....	-	-	-	-	-	-	-	-	-	17	4
Dist. of Columbia..	-	-	-	-	-	-	-	-	-	1	2
Virginia.....	1	1	1	-	1	-	-	-	-	14	16
West Virginia.....	-	1	-	-	-	-	-	-	-	2	12
North Carolina.....	4	1	-	1	-	-	-	-	-	4	6
South Carolina.....	-	-	-	-	-	-	-	-	-	1	9
Georgia.....	-	-	-	-	-	-	-	-	-	5	2
Florida.....	1	2	-	1	2	-	-	-	-	7	22
EAST SOUTH CENTRAL...	11	5	-	6	2	-	3	-	-	35	51
Kentucky.....	-	-	-	-	-	-	-	-	-	10	21
Tennessee.....	2	1	-	3	2	-	-	-	-	10	16
Alabama.....	5	4	-	-	-	-	-	-	-	5	7
Mississippi.....	4	-	-	3	-	-	3	-	-	10	7
WEST SOUTH CENTRAL...	10	7	1	21	1	-	-	1	-	39	51
Arkansas.....	-	-	-	1	-	-	-	-	-	3	7
Louisiana.....	6	2	-	-	-	-	-	-	-	3	2
Oklahoma.....	-	-	-	-	-	-	-	-	-	1	-
Texas.....	4	5	1	20	1	-	-	1	-	32	42
MOUNTAIN.....	7	5	-	1	2	-	-	-	-	43	36
Montana.....	-	-	-	-	1	-	-	-	-	-	1
Idaho.....	-	-	-	-	-	-	-	-	-	1	4
Wyoming.....	-	1	-	1	-	-	-	-	-	2	-
Colorado.....	1	1	-	-	-	-	-	-	-	11	16
New Mexico.....	5	3	-	-	-	-	-	-	-	7	8
Arizona.....	-	-	-	-	1	-	-	-	-	16	5
Utah.....	1	-	-	-	-	-	-	-	-	6	1
Nevada.....	-	-	-	-	-	-	-	-	-	-	1
PACIFIC.....	44	29	-	10	5	3	-	-	8	168	109
Washington.....	4	1	-	1	-	-	-	-	-	11	14
Oregon.....	-	-	-	-	-	-	-	-	-	40	9
California.....	39	26	-	9	4	3	-	-	8	112	85
Alaska.....	-	-	-	-	-	-	-	-	-	3	-
Hawaii.....	1	2	-	-	1	-	-	-	-	2	1
Puerto Rico.....	-	-	-	-	-	-	-	-	-	19	36

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

SEPTEMBER 17, 1966 AND SEPTEMBER 18, 1965 (37th WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			POLIOMYELITIS				RUBELLA
							Total		Paralytic		
	1966	Cumulative		1966	Cumulative		1966	1965	1966	Cumulative 1966	1966
		1966	1965		1966	1965					
UNITED STATES...	397	189,484	240,213	19	2,716	2,317	-	-	-	65	185
NEW ENGLAND.....	8	2,258	36,798	3	121	117	-	-	-	-	18
Maine.....	3	201	2,792	-	9	16	-	-	-	-	6
New Hampshire.....	-	80	381	-	9	7	-	-	-	-	-
Vermont.....	1	233	1,257	-	4	6	-	-	-	-	-
Massachusetts.....	2	780	19,281	1	49	39	-	-	-	-	5
Rhode Island.....	-	72	3,938	-	13	14	-	-	-	-	-
Connecticut.....	2	892	9,149	2	37	35	-	-	-	-	7
MIDDLE ATLANTIC.....	14	18,000	14,747	2	324	303	-	-	-	-	17
New York City.....	4	8,282	2,378	-	45	51	-	-	-	-	9
New York, Up-State.	4	2,532	4,125	-	91	87	-	-	-	-	8
New Jersey.....	-	1,846	2,565	-	97	79	-	-	-	-	-
Pennsylvania.....	6	5,340	5,679	2	91	86	-	-	-	-	-
EAST NORTH CENTRAL...	139	68,662	55,655	6	426	329	-	-	-	3	82
Ohio.....	5	6,340	8,867	-	115	88	-	-	-	-	1
Indiana.....	22	5,698	1,828	-	76	42	-	-	-	1	9
Illinois.....	20	11,358	2,701	2	79	92	-	-	-	2	5
Michigan.....	60	14,432	26,441	4	114	70	-	-	-	-	30
Wisconsin.....	32	30,834	15,818	-	42	37	-	-	-	-	37
WEST NORTH CENTRAL...	7	8,677	16,457	-	144	119	-	-	-	1	2
Minnesota.....	1	1,640	636	-	34	24	-	-	-	1	-
Iowa.....	-	5,305	8,983	-	22	8	-	-	-	-	2
Missouri.....	-	531	2,588	-	55	52	-	-	-	-	-
North Dakota.....	5	1,084	3,685	-	11	11	-	-	-	-	-
South Dakota.....	-	40	115	-	4	3	-	-	-	-	-
Nebraska.....	1	77	450	-	8	10	-	-	-	-	-
Kansas.....	NN	NN	NN	-	10	11	-	-	-	-	-
SOUTH ATLANTIC.....	43	15,227	24,902	1	455	447	-	-	-	1	26
Delaware.....	-	257	503	-	4	7	-	-	-	-	-
Maryland.....	2	2,105	1,160	-	46	43	-	-	-	-	2
Dist. of Columbia..	-	382	77	-	11	9	-	-	-	-	-
Virginia.....	8	2,171	4,059	-	51	53	-	-	-	-	5
West Virginia.....	28	5,260	13,698	1	28	24	-	-	-	-	12
North Carolina.....	2	484	390	-	115	90	-	-	-	-	-
South Carolina.....	-	656	1,016	-	48	58	-	-	-	-	4
Georgia.....	-	234	617	-	63	57	-	-	-	1	-
Florida.....	3	3,678	3,382	-	89	106	-	-	-	-	3
EAST SOUTH CENTRAL...	30	19,690	13,771	3	239	181	-	-	-	3	3
Kentucky.....	7	4,708	2,481	-	85	71	-	-	-	-	2
Tennessee.....	16	12,283	7,853	1	79	58	-	-	-	-	1
Alabama.....	4	1,685	2,322	2	53	32	-	-	-	1	-
Mississippi.....	3	1,014	1,115	-	22	20	-	-	-	2	-
WEST SOUTH CENTRAL...	76	24,492	30,818	2	373	307	-	-	-	54	2
Arkansas.....	-	971	1,084	-	35	15	-	-	-	-	-
Louisiana.....	-	99	105	1	138	170	-	-	-	1	-
Oklahoma.....	-	484	203	-	18	19	-	-	-	1	-
Texas.....	76	22,938	29,426	1	182	103	-	-	-	52	2
MOUNTAIN.....	18	11,948	19,688	-	85	72	-	-	-	-	10
Montana.....	1	1,813	3,714	-	4	2	-	-	-	-	-
Idaho.....	1	1,563	2,783	-	5	8	-	-	-	-	1
Wyoming.....	-	159	845	-	6	5	-	-	-	-	-
Colorado.....	2	1,312	5,627	-	46	14	-	-	-	-	5
New Mexico.....	-	1,132	677	-	10	11	-	-	-	-	-
Arizona.....	7	5,291	1,309	-	10	16	-	-	-	-	4
Utah.....	7	635	4,529	-	-	14	-	-	-	-	-
Nevada.....	-	43	204	-	4	2	-	-	-	-	-
PACIFIC.....	62	20,530	27,377	2	549	442	-	-	-	3	25
Washington.....	10	3,537	7,222	-	37	33	-	-	-	2	5
Oregon.....	14	1,784	3,231	-	34	32	-	-	-	-	11
California.....	30	14,564	12,942	2	459	352	-	-	-	1	8
Alaska.....	7	508	182	-	15	18	-	-	-	-	-
Hawaii.....	1	137	3,800	-	4	7	-	-	-	-	1
Puerto Rico.....	59	2,728	2,388	-	10	6	-	-	-	1	4

CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDED
SEPTEMBER 17, 1966 AND SEPTEMBER 18, 1965 (37th WEEK) - CONTINUED

AREA	STREPTOCOCCAL SORE THROAT & SCARLET FEVER	TETANUS		TULAREMIA		TYPHOID		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966
UNITED STATES...	4,237	8	128	6	119	14	266	9	205	82	3,050
NEW ENGLAND.....	373	-	3	-	1	-	6	-	2	-	70
Maine.....	36	-	-	-	-	-	-	-	-	-	24
New Hampshire.....	-	-	-	-	-	-	-	-	-	-	24
Vermont.....	-	-	-	-	-	-	-	-	-	-	20
Massachusetts.....	60	-	2	-	1	-	3	-	1	-	2
Rhode Island.....	43	-	-	-	-	-	-	-	-	-	-
Connecticut.....	234	-	1	-	-	-	3	-	1	-	-
MIDDLE ATLANTIC.....	82	-	11	-	-	3	47	2	40	3	188
New York City.....	8	-	4	-	-	2	19	-	-	1	1
New York, Up-State.	72	-	2	-	-	-	11	-	13	2	175
New Jersey.....	NN	-	1	-	-	-	7	2	12	-	-
Pennsylvania.....	2	-	4	-	-	1	10	-	15	-	12
EAST NORTH CENTRAL...	324	3	16	1	14	1	33	-	17	14	401
Ohio.....	26	-	4	-	3	-	16	-	9	3	187
Indiana.....	61	1	3	1	5	-	3	-	1	4	87
Illinois.....	77	-	3	-	5	-	3	-	7	2	51
Michigan.....	117	-	4	-	-	1	5	-	-	1	32
Wisconsin.....	43	2	2	-	1	-	6	-	-	4	44
WEST NORTH CENTRAL...	140	-	7	2	14	1	23	1	3	18	682
Minnesota.....	2	-	1	-	-	-	-	-	-	2	156
Iowa.....	38	-	1	-	-	-	5	-	-	1	137
Missouri.....	-	-	5	2	8	-	10	1	2	4	209
North Dakota.....	65	-	-	-	-	-	1	-	-	3	30
South Dakota.....	9	-	-	-	2	-	-	-	-	6	74
Nebraska.....	1	-	-	-	2	1	2	-	-	2	21
Kansas.....	25	-	-	-	2	-	5	-	1	-	55
SOUTH ATLANTIC.....	642	2	30	-	10	3	49	5	96	7	397
Delaware.....	16	-	-	-	-	-	1	-	2	-	-
Maryland.....	55	1	3	-	1	1	9	-	25	-	2
Dist. of Columbia..	7	-	-	-	-	-	2	-	-	-	-
Virginia.....	140	-	4	-	2	2	10	2	30	-	206
West Virginia.....	185	-	-	-	1	-	1	-	-	1	47
North Carolina.....	7	-	4	-	3	-	6	1	19	-	4
South Carolina.....	70	1	2	-	1	-	9	-	5	-	-
Georgia.....	8	-	7	-	2	-	2	2	15	4	85
Florida.....	154	-	10	-	-	-	9	-	-	2	53
EAST SOUTH CENTRAL...	925	1	15	-	19	4	32	1	36	11	401
Kentucky.....	64	-	2	-	2	-	3	-	8	2	87
Tennessee.....	744	-	2	-	10	4	18	1	22	3	279
Alabama.....	88	-	6	-	4	-	6	-	6	2	16
Mississippi.....	29	1	5	-	3	-	5	-	-	4	19
WEST SOUTH CENTRAL...	462	2	28	3	52	2	28	-	7	14	622
Arkansas.....	3	1	4	2	42	1	2	-	2	4	68
Louisiana.....	2	-	6	-	3	-	8	-	-	-	37
Oklahoma.....	16	-	2	-	4	-	9	-	4	4	160
Texas.....	441	1	16	1	3	1	9	-	1	6	357
MOUNTAIN.....	768	-	2	-	6	-	13	-	3	4	72
Montana.....	21	-	-	-	2	-	-	-	-	-	7
Idaho.....	35	-	-	-	-	-	-	-	-	-	-
Wyoming.....	-	-	-	-	-	-	-	-	-	-	-
Colorado.....	373	-	2	-	-	-	3	-	2	-	8
New Mexico.....	152	-	-	-	1	-	2	-	1	1	13
Arizona.....	67	-	-	-	1	-	4	-	-	-	36
Utah.....	120	-	-	-	2	-	3	-	-	-	1
Nevada.....	-	-	-	-	-	-	1	-	-	3	7
PACIFIC.....	521	-	16	-	3	-	35	-	1	11	217
Washington.....	56	-	-	-	-	-	11	-	-	2	13
Oregon.....	11	-	1	-	-	-	1	-	-	1	4
California.....	419	-	15	-	3	-	21	-	1	8	200
Alaska.....	17	-	-	-	-	-	-	-	-	-	-
Hawaii.....	18	-	-	-	-	-	2	-	-	-	-
Puerto Rico.....	12	4	38	-	-	1	9	-	-	-	12

Week No. 37

DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED SEPTEMBER 17, 1966

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes: All Ages	All Causes: 65 years and over	Pneumonia and Influenza All Ages	Under 1 year All Causes
NEW ENGLAND:	674	402	26	28
Boston, Mass.	213	127	5	8
Bridgeport, Conn.	36	21	2	1
Cambridge, Mass.	23	16	4	1
Fall River, Mass.	27	19	-	2
Hartford, Conn.	56	28	2	3
Lowell, Mass.	20	11	-	-
Lynn, Mass.	28	18	3	-
New Bedford, Mass.	31	18	1	1
New Haven, Conn.	47	33	-	-
Providence, R. I.	55	25	-	4
Somerville, Mass.	13	8	1	2
Springfield, Mass.	36	19	2	1
Waterbury, Conn.	31	20	-	-
Worcester, Mass.	58	39	6	5
MIDDLE ATLANTIC:	2,865	1,589	96	150
Albany, N. Y.	45	24	1	2
Allentown, Pa.	33	15	1	1
Buffalo, N. Y.	127	72	3	6
Camden, N. J.	37	22	1	1
Elizabeth, N. J.	37	17	1	3
Erie, Pa.	42	24	2	3
Jersey City, N. J.	48	24	2	4
Newark, N. J.	78	31	6	3
New York City, N. Y.	1,468	810	47	70
Paterson, N. J.	47	22	3	5
Philadelphia, Pa.	399	219	12	24
Pittsburgh, Pa.	174	102	-	10
Reading, Pa.	43	26	4	1
Rochester, N. Y.	90	67	7	3
Schenectady, N. Y.*	22	13	1	1
Scranton, Pa.	37	24	1	1
Syracuse, N. Y.	61	30	1	7
Trenton, N. J.	32	23	-	2
Utica, N. Y.	17	13	2	-
Yonkers, N. Y.	28	11	1	3
EAST NORTH CENTRAL:	2,544	1,396	57	191
Akron, Ohio	74	45	-	9
Canton, Ohio	38	23	2	3
Chicago, Ill.	715	386	21	42
Cincinnati, Ohio	178	104	2	10
Cleveland, Ohio	229	105	1	48
Columbus, Ohio	133	64	3	15
Dayton, Ohio	72	37	-	5
Detroit, Mich.	357	197	3	16
Evansville, Ind.	43	33	1	2
Flint, Mich.	44	22	-	6
Fort Wayne, Ind.	41	19	1	4
Gary, Ind.	20	11	1	1
Grand Rapids, Mich.	50	36	5	2
Indianapolis, Ind.	129	69	3	8
Madison, Wis.	24	13	-	2
Milwaukee, Wis.	137	84	4	7
Peoria, Ill.	24	14	-	1
Rockford, Ill.	33	22	1	2
South Bend, Ind.	41	20	3	2
Toledo, Ohio	99	59	4	4
Youngstown, Ohio	63	33	2	2
WEST NORTH CENTRAL:	764	450	23	52
Des Moines, Iowa	52	36	3	-
Duluth, Minn.	26	19	1	1
Kansas City, Kans.	28	14	2	5
Kansas City, Mo.	131	86	4	14
Lincoln, Nebr.	18	8	-	2
Minneapolis, Minn.	127	63	1	10
Omaha, Nebr.	68	45	2	4
St. Louis, Mo.	216	125	6	9
St. Paul, Minn.	52	31	-	4
Wichita, Kans.	46	23	4	3
SOUTH ATLANTIC:	1,155	546	38	109
Atlanta, Ga.	137	55	7	11
Baltimore, Md.	252	116	6	27
Charlotte, N. C.	46	26	-	1
Jacksonville, Fla.	59	23	1	6
Miami, Fla.	90	53	-	4
Norfolk, Va.	53	23	3	2
Richmond, Va.	68	38	1	8
Savannah, Ga.	32	15	2	2
St. Petersburg, Fla.	82	64	6	-
Tampa, Fla.	69	31	6	3
Washington, D. C.	209	77	4	40
Wilmington, Del.	58	25	2	5
EAST SOUTH CENTRAL:	608	270	31	39
Birmingham, Ala.	82	38	1	3
Chattanooga, Tenn.	50	27	8	2
Knoxville, Tenn.	25	15	1	2
Louisville, Ky.	134	26	13	9
Memphis, Tenn.	141	70	4	9
Mobile, Ala.	32	17	1	2
Montgomery, Ala.	38	19	1	3
Nashville, Tenn.	106	58	2	9
WEST SOUTH CENTRAL:	1,112	565	32	93
Austin, Tex.	47	25	1	3
Baton Rouge, La.	40	25	-	6
Corpus Christi, Tex.	43	21	-	3
Dallas, Tex.	159	83	1	12
El Paso, Tex.	43	22	-	2
Fort Worth, Tex.	75	39	-	7
Houston, Tex.	198	83	7	12
Little Rock, Ark.	69	31	1	7
New Orleans, La.	141	68	7	16
Oklahoma City, Okla.	81	42	3	9
San Antonio, Tex.	98	58	2	6
Shreveport, La.	60	36	8	7
Tulsa, Okla*	58	32	2	3
MOUNTAIN:	415	236	11	24
Albuquerque, N. Mex.	29	11	1	2
Colorado Springs, Colo.	22	14	1	2
Denver, Colo.	122	77	1	3
Ogden, Utah	17	12	2	-
Phoenix, Ariz.	88	41	1	9
Pueblo, Colo.	20	11	-	-
Salt Lake City, Utah	57	33	2	2
Tucson, Ariz.	60	37	3	6
PACIFIC:	1,435	836	24	71
Berkeley, Calif.	18	15	-	-
Fresno, Calif.	37	24	2	2
Glendale, Calif.	20	17	-	-
Honolulu, Hawaii	53	22	-	5
Long Beach, Calif.	70	50	-	3
Los Angeles, Calif.	349	206	6	20
Oakland, Calif.	119	65	3	2
Pasadena, Calif.	26	20	-	1
Portland, Oreg.	137	69	1	8
Sacramento, Calif.	74	41	2	7
San Diego, Calif.	95	57	-	4
San Francisco, Calif.	182	95	3	7
San Jose, Calif.	40	25	3	2
Seattle, Wash.	130	72	3	7
Spokane, Wash.	53	38	1	3
Tacoma, Wash.	32	20	-	-
Total	11,572	6,290	338	757

*Estimate - based on average percent of divisional total.

Cumulative Totals
including reported corrections for previous weeks

All Causes, All Ages	467,171
All Causes, Age 65 and over	267,963
Pneumonia and Influenza, All Ages	19,819
All Causes, Under 1 Year of Age	24,866

EPIDEMIOLOGICAL NOTES AND REPORTS

HOSPITAL ACQUIRED STREPTOCOCCAL INFECTION

Seattle, Washington

Eight cases of streptococcal puerperal endometritis and three cases of streptococcal postoperative wound infection occurred among patients in a Seattle hospital over a period of 77 days last year. There was one death. Subcultures from eight patients were confirmed as Lancefield group A streptococci and further characterized as M-nontypable, T9.

Once the outbreak was recognized, an intensive search for sources of the infection was undertaken. Cultures of the throats and other anatomic sites of all attendants were negative for streptococci as well as were cultures from various fomites in the environment. Epidemiologic investigation implicated a medical attendant as the probable source of the infection in this outbreak although the exact mode of spread remained obscure. Further intensive bacteriologic study, however, revealed that the anal orifice of this attendant was heavily colonized with beta hemolytic streptococci (Group A, M-nontypable, T9). The capacity of this attendant to disseminate organisms into the immediate environment was demonstrated experimentally when, attired in hospital working garments, he performed simulated occupational tasks requiring progressively increasing amounts of physical activity in a streptococcus-free room. Streptococci were detected in air samples when the medical attendant entered the room, and as his activity increased, airborne streptococci were detected in increasing numbers in sequential samples.

Following intensive treatment with penicillin and vancomycin, cultures from the asymptomatic carrier were negative for streptococci. Two members of the medical attendant's family, who were also found to be infected with the homotypic strain, responded favorably to treatment.

(Reported by Dr. Donald R. Peterson, Director, Division of Epidemiology and Communicable Disease Control, Jean G. Speormon, Public Health Nurse Epidemiologist, and Mr. Poul Bonin, Director, Division of Laborotories, Seattle-King County Department of Public Health; and the Stophylococcus and Streptococcus Unit, Bacteriology Section, CDC.)

THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULATION OF 15,600, IS PUBLISHED AT THE COMMUNICABLE DISEASE CENTER, ATLANTA, GEORGIA.

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IN ADDITION TO THE ESTABLISHED PROCEDURES FOR REPORTING MORBIDITY AND MORTALITY, THE COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASE INVESTIGATIONS WHICH ARE OF CURRENT INTEREST TO HEALTH OFFICIALS AND WHICH ARE DIRECTLY RELATED TO THE CONTROL OF COMMUNICABLE DISEASES. SUCH COMMUNICATIONS SHOULD BE ADDRESSED TO:

THE EDITOR
MORBIDITY AND MORTALITY WEEKLY REPORT
COMMUNICABLE DISEASE CENTER
ATLANTA, GEORGIA 30333

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE CDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILED DATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEEDING FRIDAY.

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